

The Impact of Synchronous Text-Based Chat on Military Command and Control

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INTRODUCTION

- Ad hoc “solutions” for the warfighter
- Many different tools (preferences)
- Short term requirements lack joint interoperability
- Lack of official support
 - No official requirements
 - No official support
 - No official sponsorship

RESEARCH

- Use Cases
 - What?
 - Why?
- Risks
 - Acknowledge technical
 - Focus on organization, human nature, situational awareness
- Requirements

USE CASES

- J3 Operations
 - Multinational Operations
 - Disaster Relief/Civil Military Operations (CMO)
 - Antiterrorism/Homeland Defense
 - Special Operations
 - UAV Operations
 - Targeting
 - Close Air Support (CAS)
 - Combat Recovery
 - Medical Evacuation (MEDEVAC)
- J2 Intelligence
 - Counterintelligence (CI)
 - National Support to Joint Operations

USE CASES

- Why?
 - Faster
 - Easy
 - Availability
 - Efficient
 - Required

RISKS

- External Risks (GIG, P2P)
- Internal Risks
 - Integrity
 - Confidentiality
 - Availability
- Tactical Information Exchange and Situational Awareness

REQUIREMENTS

- Requirements Documented
 - Quad-Service
 - COCOMS (select)
 - DISA
- Methodology
 - Capabilities Based Assessment (CBA)
 - Joint Capabilities Integration and Development System (JCIDS)
 - Future Joint Force and Transformation

REQUIREMENTS

- Areas
 - Functionality
 - Information Assurance (IA)
 - Scalability
 - Interoperability
- Cross Domain
 - Addressed
 - Policy is the key issue

CONCLUSION

- Chat is changing business practices
 - Are business rules keeping up?
 - Facilitate doctrinal execution or cut corners?
- The Need:
 - Official Requirements
 - Official Support
 - Official Sponsorship